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**PATENT**  
5681-82301/P1901CNT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

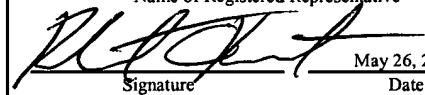
Application No.: 09/317,714  
Filed: May 24, 1999  
Inventors:  
Peter B. Kessler, Swee Boon Lim,  
Peter Vanderbilt, Michael L.  
Powell, Li-Wen Chen, Dwight F.  
Hare, Alan Snyder  
Title: Method and System for  
Type Identification for  
Multiple Object Interfaces  
in a Distributed Object  
Environment

§ Examiner: Lao, Sue X  
§ Group/Art Unit: 2126  
§ Atty. Dkt. No: 5681-82301  
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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Robert C. Kowert

Name of Registered Representative



Signature

May 26, 2005

Date

**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS**

M/S Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith is the following with regard to the above-identified application:

- (a) A copy of page 5 including the missing information referenced in the Notice to File Corrected Application Papers
- (b) A copy of Notice to File Corrected Application Papers.
- (c) A return postcard to acknowledge receipt of these materials. Please stamp and return this postcard to the undersigned.

No fees are believed necessary; however, if any fees are inadvertently omitted or if any additional fees are required or have been overpaid, please appropriately charge or credit those fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account Number 501505/5681-82301/RCK.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'R. C. Kowert', with a long horizontal flourish extending to the right.

Robert C. Kowert  
Reg. No. 39,255  
Attorney for Applicants

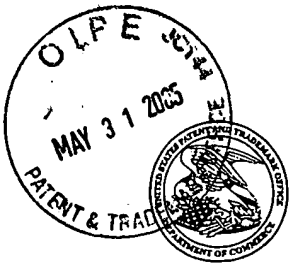
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  
P.O. Box 398  
Austin, Texas 78767-0398  
Ph: (512) 853-8800

Date: May 26, 2005

While this architecture ensures correct identification of objects with stable interfaces, it hinders the more realistic model of system development where object interfaces evolve over time. The evolution of object interfaces is a normal aspect of most systems, and thus it is desirable for the interface repository to support interface evolution.

For example, in a desirable system installation there may be two co-existing environments, a deployment environment, and a development environment. In the deployment environment, objects and their interfaces are stable and unchanging. This is necessary to ensure that the behavior of each object is consistent, thoroughly tested, and known to all clients. In the development environment, however, the object interfaces are continually being improved and updated. These two environments must be kept separate so that client invocations in the deployment environment, where the client expects a particular interface for an object, do not invoke the development version of the object, which may not behave as expected by the client. However, when the development version of the object is stable, it is necessary to place it in the deployment environment for use by all clients.

The problem is that on a single system with a single interface repository, there is currently no easy way to separate the deployment and development environments so that multiple objects of the same type are represented by different interface definition objects. Thus, to differentiate development and development objects, the development objects must be distinct types from the deployment object, having their own interface



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/317,714

05/24/1999

PETER B. KESSLER

4278

9469

7590

05/05/2005

Wagner, Murabito & Hao LLP  
Two North Market Street  
Third Floor  
San Jose, CA 95113

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MAY 09 2005

WMH

EXAMINER

LAO, SUE X

ART UNIT

PAPER NUMBER

2126

DATE MAILED: 05/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Atty Dkt# 5681-82301 Atty: \_\_\_\_\_  
Transferred ☐ Due Date: 6/4/05  
Action: 30 Day ☐ 1Mo. ☐ 2 Mo ☐  
3 Mo. ☐ Final Action ☐ Advay Action ☐  
Ntc of Allow ☐ Drawings ☐ Issue Fee ☐  
Other: \_\_\_\_\_  
Docketed: 5/17



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Wagner, Murabito & Hao LLP  
Two North Market Street  
Third Floor  
San Jose CA 95113

Serial No. : 09317714

Applicant : Kessler et al  
Filing Date : 05/24/1999  
Date Mailed : 05/04/2005

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

### *Notice of Allowance Mailed*

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given 30 days from the mail date of this Notice within which to correct the informalities indicated below. A failure to reply will result in the application being ABANDONED. This period for reply is NOT extendable under 37 CFR 1.136 (a) or (b).

- Page 5 first paragraph, lines 3-5 contain missing information. See attachment.

**APPLICANT MUST SUPPLY MISSING INFORMATION WITHIN 30 DAYS OF THE MAIL DATE OF THIS NOTICE.**

***A copy of this notice MUST be returned with the reply. Please address response to "Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313"***

  
Rori Burch

703-305-0333  
ext. 135

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*Must be kept  
↓  
Separate*

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